CONTENTS OF VOLUME 17

No. 1, January 1957

The Rate of Metabolism of Cortisol in a Normal Human Male 1
John E. Plager, Leo T. Samuels, Anthony Ballard, Frank H. Tyler and Hans H. Hecht

Roentgen Therapy in Cushing's Syndrome without Adrenocortical Tumor 8
F. C. Dohan, A. Raventos, N. Boucot and E. Rose

The Thyroid Hormone-Plasma Protein Complex in Man. II. A New *in vitro* Method for Study of "Uptake" of Labeled Hormonal Components by Human Erythrocytes 33
Milton W. Hamolsky, Myron Stein and A. Stone Freedberg

Small-Cell Malignant Lesions of the Thyroid Gland 45
Alexander J. Walt, Lewis B. Woolner and B. Marden Black

Thyroid Function Studies in Children: Normal Values for Thyroidal I^{131} Uptake and PBI^{131} Levels up to the Age of 18 61
Leo Oliner, Robert M. Kohlenbrener, Theodore Fields and Ralph H. Kunstadter, with the technical assistance of Dolores R. Goldstein

Effect of Anesthesia and Thyroid Surgery on the Plasma Level of PBI^{131} 76
Jerrold D. Hydovitz

Effects of an Organic Iodine Compound (Priodax) on Tests of Thyroid Function 82
D. Ward Slingerland

Influence of Iodoalphionic Acid (Priodax), with and without Thyrotropin, on Thyroidal I^{131} Uptake in Euthyroid Patients 94
Stanley Newman and Claude M. Cupp

Endemic Goiter in Venezuela Studied with I^{131} 99
Marcel Roche, Francisco de Venanzi, Jorge Vera, Eduardo Coll, Mario Spinetti-Berti, José Mendez-Martinez, Andrés Gerardi and José Forero

Hydrocortisone Metabolism in the Perfused Isolated Rat Liver 111
Edward D. Robbins, Stanley D. Burton, Sanford O. Byers, Meyer Friedman, Shirley St. George and Tadashi Ishida

Determination of Urinary 11-Oxygenated 17-Ketogenic Steroids 116
Herbert H. Wotiz, Henry M. Lemon and Phyllis Marcus

The Change in Thyroidal I^{131} Content Between 8 and 48 Hours as an Index of Thyroid Activity 126
D. D. Adams and H. D. Purves

Hypotonia of the Gall Bladder, of Myxedematous Origin 133
H. Lorenzo y Losada, Jr., Enzo Caviglia Staricco, J. M. Cerviño, M. Arias Bellini, J. Maggiolo, Rosa B. de Buño and J. C. Mussio Fournier

Co-Existence of Addison's Disease and Thyrotoxicosis (Teaching Clinic) .. 143
J. J. Rupp and K. E. Paschkis

Renal Biopsies in Cushing's Syndrome (Letter to the Editor) 148
Robert M. Kark, John F. Soothill, Conrad L. Pirani and Victor E. Pollak

Sporadic Goitrous Cretinism in Xeroderma Pigmentosum (Letter to the Editor) 151
John Logan

The Endocrine Society
The 1957 Annual Meeting and Awards 155

The American Goiter Association
The 1957 Annual Meeting and Award 158

National Institutes of Health. Grants of Anterior Pituitary Hormones 159

International Abstracts of Biological Sciences. Notice of Change of Title and Coverage 160

Academy of Medicine of Cincinnati. Centennial 161

Book Register 162

Correction 164

No. 2, February 1957

The Relationship of Gastric Activity and Adrenocortical Function: A Correlative Study 165
Lewis J. Krakauer, Colin G. Ramsey and Seymour J. Gray

The Relationship of Estrogen and of Pituitary Hormones to the Metabolic Effects of Progesterone 177
Richard L. Landau, Delbert M. Bergenstal, Kathleen Lugibihl, Dean F. Dimick and Ernestine Rashid

Metabolic Effects of a Single Intravenous Infusion of Hydrocortisone Related to Plasma Levels in a Normal Versus an Adrenally Insufficient Subject 186
William McK. Jefferies, Luther W. Kelly, Jr., Katherine L. Sydnor, Richard P. Levy and Graham Cooper

Invasive Fibrous Thyroiditis (Riedel's Struma) 201
Lewis B. Woolner, William M. McConahey and Oliver H. Beahrs

Metabolic Studies in Myxedema Following Administration of *l*-Triiodothyronine: 1) Duration of Negative Nitrogen Balance; 2) Effect of Testosterone Propionate; 3) Comparison with Nitrogen Balance in a Healthy Volunteer 221
K. R. Crispell, Gerald A. Williams, William Parson and Guy Hollifield with the technical assistance of Sarah Brent

Hormonal Treatment of Thyroid Cancer 232
Colin G. Thomas, Jr.

The Renal Clearance of Neutral 17-Ketosteroids in Man 238
Alfred M. Bongiovanni and Walter R. Eberlein, with the technical assistance of Frank Rosalia

The Excretion of Pregnane-3α,17α,21-Triol-20-One (Tetrahydro S) in Normal and Pathologic Urine 250
Joseph C. Touchstone, Helen Bulaschenko, Edwin M. Richardson and F. C. Dohan

The Occurrence of 3-Alpha,21-Dihydroxypregnane,11-20-Dione (Tetrahydro Compound A) in the Serum of Children 256
R. Klein J. Fortunato, Z. Laron and C. Papadatos

Studies on Endometrial Glycogen 261
G. H. Arronet and J. P. A. Latour

9-α-Fluorohydrocortisone-Induced Hypertension in a Male Infant with Adrenogenitalism, and in 6 Adults with Addison's Disease 272
John A. Owen, Jr., Frank L. Engel and Thad B. Wester

9-Alpha-Fluorohydrocortisone Alone and Combined with Hydrocortisone in the Management of Chronic Adrenal Insufficiency 280
W. Leith and J. C. Beck

Sexual Precocity Due to Interstitial-Cell Tumor of the Testis: Report of 2 Cases 291
Edwin C. Jungck, Agatha Moody Thrash, A. P. Ohlmacher, Arthur M. Knight, Jr. and Lucien Y. Dyrenforth

Blood Corticoids: Their Measurement and Significance—A Review 296
Jay J. Gold

The Quantitative Determination of Progesterone in Human Plasma (Letter to the Editor) 317
Ian F. Sommerville

Antidiuretic Hormone (ADH) in the Human Female (Letter to the Editor) 320
K. W. Robinson, R. W. Hawker and P. A. Robertson

Lack of Androgenicity of 17-Hydroxyprogesterone or its 17-Caproate Ester (Letter to the Editor) 323
Joseph W. Goldzieher

Diurnal 17-Ketosteroid Excretion and its Application to Stress and the Aging Process (Letter to the Editor) 326
Gregory S. Duboff

Metabolic Effects of Intravenous Triiodothyroacetic Acid in Primary Myxedema (Letter to the Editor) 328
J. de Graeff, C. L. Wicht and A. Querido

USE OF AN ORGANIC BASE IN THE ZIMMERMANN REACTION (Letter to the Editor) 331
Alfred M. Bongiovanni, Walter R. Eberlein and Patricia Z. Thomas
THE ENDOCRINE SOCIETY
The 1957 Annual Meeting and Awards 333
THE AMERICAN GOITER ASSOCIATION
The 1957 Annual Meeting 336
THE AMERICAN GERIATRICS SOCIETY, 1957 Annual Meeting 336

NO. 3, MARCH 1957

EVALUATION OF TRITIUM CHOLESTROL AS A TRACER IN MAN 337
Harold Werbin, Delbert M. Bergenstal, R. Gordon Gould and George V. LeRoy
REGULATION OF SALT METABOLISM AFTER HYPOPHYSECTOMY IN MAN 346
John P. Maclean, Mortimer B. Lipsett, Min C. Li, Charles D. West and Olof H. Pearson
ADRENAL FUNCTION AFTER HYPOPHYSECTOMY IN MAN 356
Mortimer B. Lipsett, Charles D. West, John P. Maclean and Olof H. Pearson
METABOLIC BALANCE STUDY IN A CASE OF VIRILIZING ADRENAL HYPERPLASIA TREATED WITH PREDNISONE 364
William A. Skoog and William S. Adams
RENAL FUNCTION STUDIES AND AUTOPSY REPORT IN A PATIENT WITH GIGANTISM AND ACROMEGALY 377
Herbert Gershberg, Henry O. Heinemann and Harry H. Stumpf
PARATHYROID DAMAGE IN MAN: MECHANISM OF EFFECT ON SERUM LEVELS OF CALCIUM AND PHOSPHORUS 386
Stephen M. Krane
RESPONSE OF PLASMA 17,21-DIHYDROXY-20-KETOSTEROIDS TO REPOSITORY CORTICOTROPIN 390
J. Geller, J. L. Gabrilove and L. J. Soffer
THE METABOLISM OF 1-DEHYDRO-17-HYDROXYCORTICOSTEROIDS IN HUMAN SUBJECTS 395
W. Roy Slaunwhite, Jr. and Avery A. Sandberg
URINARY PORTER-SILBER CHROMOGEN VERSUS BLUE TETRAZOLIUM CHROMOGEN AS A QUANTITATIVE INDEX OF ADRENOCORTICAL FUNCTION 407
Leon J. Marks, Jehaudah H. Leftin and Marcia P. Leonard
THE EFFECT OF PHENYLBUTAZONE AND A RELATED ANALOGUE (G25671) UPON THYROID FUNCTION 416
Joseph A. Linsk, Bruce C. Paton, Murray Persky, Marion Isaacs and Herbert S. Kupperman
CORRELATION OF EARLY EXTRATHYROIDAL RADIOIODIDE SPACE WITH BODY WEIGHT 424
Rosalyn S. Yalow, Estelle S. Sobel and Karl R. Paley
THE REGULAR OCCURRENCE OF 3α-ALLOTETRAHYDROCORTISOL (3α-11β,17α-21-TETRAHYDROXYALLOPREGNAN-20-ONE) IN HUMAN URINE (Letter to the Editor) 434
Louise P. Romanoff, Joyce Seelye, Rosa Rodriguez and Gregory Pincus
THE CONVERSION OF 4-C^{14}-CORTISOL TO C^{14}-17-KETOSTEROIDS (Letter to the Editor) 437
Avery A. Sandberg, Edward Chang and W. Roy Slaunwhite, Jr.
THE EXCHANGEABLE CHARACTER OF ACCUMULATED I^{131} IN THE THYROID GLAND OF A GOITROUS CRETIN (Letter to the Editor) 441
Alvin L. Schultz, Edmund B. Flink, Byrl J. Kennedy and Leslie Zieve
CONTROL OF DIABETES INSIPIDUS BY THE BUCCAL ADMINISTRATION OF POSTERIOR PITUITARY POWDER (PITRESSIN) (Letter to the Editor) 445
Robert Klein and Zvi Laron
OXYTOCIN AND LACTATION (Letter to the Editor) 448
R. W. Hawker and P. A. Robertson
THE PYROGENIC EFFECT OF ETIOCHOLANOLONE (Letter to the Editor) 451
Attallah Kappas, Leon Hellman, David K. Fukushima and T. F. Gallagher

Sex Chromatin and Intersex (Letter to the Editor) 454
R. Hoffenberg and W. P. U. Jackson
The Endocrine Society
The 1957 Annual Meeting and Awards 459
The American Goiter Association
The 1957 Annual Meeting 461
Harvard Medical School, Post-Graduate Courses in Pediatrics 462
Laurentian Hormone Conference (Program) 462
Book Register 464

No. 4, April 1957

Identification of Testosterone in Human Spermatic Vein Blood 465
Wendell M. Lucas, W. F. Whitmore Jr. and Charles D. West
Aldosterone Excretion in Pregnancy 473
E. H. Venning, T. Primrose, L. C. S. Caligaris and I. Dyrenfurth
The Disturbance in Iodine Metabolism Produced by Thyroid Surgery .. 483
Karl Fellinger, Rudolf Höfer and Herbert Vetter
Determination of 17,21-Dihydroxy-20-Ketosteroids in Blood Plasma 502
Kristen Eik-Nes
Determination of Corticotropin (ACTH) in Human Blood and Urine by a Modified Oxycellulose Method 512
Takuo Fujita
Excretion of Urinary Corticoids in Conditions of Chronic Asthenia 519
M. Albeaux-Fernet, P. Bugard and J. D. Romani
The Conjugated 17-Ketosteroids of Human Urine 534
Herbert H. Wotiz, Henry M. Lemon, Phyllis Marcus and Kenneth Savard
Cortisone Potentiation of the Hyperglycemic Action of Insulin Preparations 542
Sydney A. Lazarus, Bruno W. Volk and Herbert Lew
Radioisotope Study of Thyroid Function in 21 Mongoloid Subjects, Including Observations in 7 Parents 552
G. S. Kurland, J. Fishman, M. W. Hamolsky and A. S. Freedberg
Effect in Women of Bilateral Oophorectomy on Circulating Thyroid Hormone 561
F. Jackson Stoddard, William W. Engstrom, William F. Hovis, Lionel T. Servis and Alice D. Watts
Diabetes Insipidus (Teaching Clinic—Review) 565
William C. Thomas, Jr.
The Endocrine Society
Program of the 1957 Annual Meeting—Awards 583
The American Goiter Association
The 1957 Annual Meeting 590
Ninth International Congress on Rheumatic Diseases 590
Courses in Pediatrics—Children's Hospital of Philadelphia 590
Fourth Pan-American Congress on Endocrinology 591
International Medical-Surgical Meetings 591
Symposium on Research Methods & Instrumentation 592
UNSC Statement on Effects of Atomic Radiation 592
Book Register 593

No. 5, May 1957

Rate of Pregnanediol Excretion Following Intraportal or Intrasystemic Intravenous Administration of Progesterone in Human Subjects 595
E. J. Quilligan and I. Rothchild
The Hypoglycemic Response to Insulin in Man after Sulfonylurea by Mouth 603
I. Arthur Mirsky and Daniel Diengott

EXCRETION OF EPINEPHRINE AND NOREPINEPHRINE IN VARIOUS EMOTIONAL STATES 608
Fred Elmadjian, Justin M. Hope and Edwin T. Lamson
EFFECT OF CORTICOTROPIN AND 9α-FLUOROHYDROCORTISONE ON URINARY STEROIDS IN CUSHING'S SYNDROME 621
J. S. Jenkins and A. W. Spence
EFFECT OF INTRAVENOUS CORTICOTROPIN ON THE LEVEL OF PLASMA HYDROCORTISONE IN MAN: APPLICATION TO THE ASSAY OF CORTICOTROPIN 632
Harold Persky and Helen A. Heath
SPORADIC HYPOTHYROIDISM ASSOCIATED WITH GOITER 645
Angelo M. DiGeorge and Karl E. Paschkis
THE METABOLISM OF IODOTYROSINES. IV. METABOLISM OF *l*-DIIODOTYROSINE IN PATIENTS WITH HYPOTHYROIDISM 654
John B. Stanbury and Jorge Litvak
BIOLOGICAL ACTIVITY OF CERTAIN PROGESTERONE-LIKE COMPOUNDS AS DETERMINED BY THE HOOKER-FORBES BIOASSAY 658
M. X. Zarrow, G. M. Neher, E. A. Laso-Wasem and H. A. Salhanick
BIOLOGICAL ACTIVITY OF 17-α-HYDROXYPROGESTERONE IN THE MOUSE, RABBIT AND HUMAN BEING 667
Hilton A. Salhanick, E. G. Holmstrom and M. X. Zarrow
AN IMPROVED ALL-GLASS EXTRACTOR 673
Harry E. Hadd and William H. Perloff
DEVELOPMENTAL ASPECTS OF HUMAN HERMAPHRODISM: THE SIGNIFICANCE OF SEX CHROMATIN PATTERNS (Editorial Review) 676
Sheldon J. Segal and Warren O. Nelson
THE ENDOCRINE SOCIETY
The 1957 Annual Meeting and Awards 693
The 1957 Postgraduate Assembly in Endocrinology and Metabolism 696
THE AMERICAN GOITER ASSOCIATION
Program of the 1957 Annual Meeting 697
NATIONAL INSTITUTES OF HEALTH—Grants of Racemic Aldosterone 699
CORRECTION 700
BOOK REGISTER 701

No. 6, JUNE 1957

SEX CHROMATIN PATTERN IN SEMINIFEROUS TUBULE DYSGENESIS AND OTHER TESTICULAR DISORDERS: RELATIONSHIP TO TRUE HERMAPHRODISM AND TO KLINEFELTER'S SYNDROME, WITH A REVIEW OF GONADAL ONTOGENESIS 703
Melvin M. Grumbach, William A. Blanc and Earl T. Engle
GENETIC, DEVELOPMENTAL AND HORMONAL ASPECTS OF GONADAL DYSGENESIS AND SEX INVERSION IN MAN 737
E. Witschi, W. O. Nelson and S. J. Segal
EFFECT OF LARGE DOSES OF INTRAVENOUSLY ADMINISTERED PROGESTERONE ON GONADOTROPIN EXCRETION IN THE HUMAN FEMALE 754
I. Rothchild
ADRENOCORTICAL FUNCTION IN ANXIOUS HUMAN SUBJECTS: THE DISAPPEARANCE OF HYDROCORTISONE FROM PLASMA AND ITS METABOLIC FATE 760
Harold Persky
ENDOCRINOLOGY OF ANOREXIA NERVOSA 766
Eugene L. Bliss and Claude J. Migeon
DETERMINATION OF TETRAHYDROCORTISOL AND TETRAHYDROCORTISONE IN THE URINE OF NORMAL AND SCHIZOPHRENIC MEN 777
Louise P. Romanoff, Rosa M. Rodriguez, Joyce M. Seelye and Gregory Pincus
DETERMINATION OF BASAL RATE OF OXYGEN CONSUMPTION BY OPEN AND CLOSED-CIRCUIT METHODS 786
Ward S. Fowler, Charles M. Blackburn and H. Frederic Helmholz, Jr.
IN DEFENSE OF THE BASAL METABOLIC RATE (Editorial) 797
F. Raymond Keating, Jr.

HAS ENDEMIC CRETINISM ANY RELATION TO THYROID DEFICIENCY? (Letter to the Editor) 801
A. Costa
ON THE NATURE OF ENDEMIC CRETINISM (Letter to the Editor) 803
John B. Stanbury and Andries Querido
SYNERGISM AND STRAIN DIFFERENCES IN THE ASSAY OF URINARY GONADOTROPINS (Letter to the Editor) 805
P. S. Brown
THE ENDOCRINE SOCIETY
The 1957 Awards 809
Program of the 1957 Postgraduate Assembly in Endocrinology and Metabolism 811
TRAINING PROGRAM FOR STEROID BIOCHEMISTRY 815
THIRD INTERNATIONAL SYMPOSIUM ON RADIOACTIVE ISOTOPES 815
CORRECTION 815
BOOK REGISTER 816

No. 7, JULY 1957

NOTICE TO CONTRIBUTORS ..... *attached to page* 817
PATHOGENESIS OF A CASE OF CONGENITAL GOITER WITH ABNORMALLY HIGH LEVELS OF SPI AND WITH MONO- AND DIIODOTYROSINE IN THE SERUM 817
Sidney C. Werner, Richard J. Block, Richard H. Mandl and A. A. H. Kassenaar
MEASUREMENT OF THE ACTIVE IODINE STORES AND DAILY HORMONAL OUTPUT OF THE INTACT HUMAN THYROID 832
John H. Nodine, Bertram J. Channick, Demetri Sokhos, Shirley Dresner Tassoni and William H. Perloff
THYRO-PITUITARY RELATIONSHIPS IN CHILDREN WITH CRETINISM AND HYPOTHYROIDISM 842
Angelo M. Di George, Savino A. D'Angelo and Karl E. Paschkis
DAILY FLUCTUATION OF THE SERUM PROTEIN-BOUND IODINE LEVEL 849
M. Sydney Margolese and Orville J. Golub
MARKED DEPRESSION OF THE PLASMA PROTEIN-BOUND IODINE CONCENTRATION IN THE ABSENCE OF CLINICAL HYPOTHYROIDISM DURING TESTOSTERONE MEDICATION 854
Hans G. Keitel and Max G. Sherer
CYCLIC VARIATIONS IN THE EOSINOPHIL COUNT DURING THE PHASES OF THE MENSTRUAL CYCLE 862
C. L. Pathak and B. S. Kahali
PREGNANEDIOL EXCRETION IN NORMAL CHILDREN AND IN CHILDREN WITH VARIOUS ENDOCRINE DISORDERS, INCLUDING CONGENITAL ADRENAL HYPERPLASIA 870
Carl G. Bergstrand and Carl A. Gemzell
RESPONSE OF THE PLASMA 17-HYDROXYCORTICOSTEROID LEVEL TO GEL-ACTH IN TUMOROUS AND NON-TUMOROUS CUSHING'S SYNDROME 878
L. J. Soffer, J. Geller and J. L. Gabrilove
EFFECT OF THYROID THERAPY ON THE TONE AND CONTRACTILITY OF THE URINARY BLADDER IN HYPOTHYROIDISM 884
C. J. Méndez Bauer, R. Caldeyro-Barcia, R. De Angelis, J. Maggiolo, A. Pou-de-Santiago, and J. C. Mussio Fournier
SPECIAL CONSIDERATIONS IN THE USE OF BLUE TETRAZOLIUM FOR THE MEASUREMENT OF ALPHA-KETOLS IN MIXTURES WITH OTHER STEROIDS 889
Anthony J. Izzo, E. Henry Keutmann and Robert B. Burton
GONADAL DYSGENESIS WITH MENSTRUATION: A REPORT OF 2 CASES 902
R. Hoffenberg, W. P. U. Jackson and W. H. Muller
EFFECT OF ESTROGEN THERAPY ON CERULOPLASMIN CONCENTRATION IN A MAN WITH WILSON'S DISEASE (Letter to the Editor) 908
Ella M. Russ, Julie Raymunt and Samuel Pillar
EFFECT OF ANDROGENS ON α_2-GLOBULINS IN WOMEN (Letter to the Editor) 910
Wilfried v. Studnitz and Margareta Nyman

CYCLIC CHANGES IN FEMALE SALIVA (Letter to the Editor) 913
Cesare Andreoli and Mario Della Porta
INFLUENCE OF MEPROBAMATE THERAPY ON THE ESTIMATION OF 17-KETOSTEROIDS AND 17-KETOGENIC STEROIDS (Letter to the Editor) 914
Sigbjörn Salvesen and Roar Nissen-Meyer
THE ENDOCRINE SOCIETY 916
Recipients of the 1957 Awards 916
The 1958 Awards 921
The 1957 Postgraduate Assembly in Endocrinology and Metabolism 923
BOOK REGISTER 924

No. 8, AUGUST 1957

NOTICE TO CONTRIBUTORS ..... *attached to page* 925
THE HISTOGENESIS OF MYXEDEMA 925
J. L. Gabrilove and A. W. Ludwig
EFFECT OF ADRENOCORTICOTROPIC THERAPY ON THE *in vitro* 11β-HYDROXYLATION OF DEOXYCORTICOSTERONE BY HUMAN ADRENAL HOMOGENATES 933
J. K. Grant, T. Symington and W. P. Duguid
ADRENOCORTICAL CARCINOMA WITH GYNECOMASTIA: A CASE REPORT AND REVIEW OF THE LITERATURE 945
Stanley Wallach, Harold Brown, Edwin Englert, Jr. and Kristen Eik-Nes
DETERMINATION OF Δ^4-3-KETO-CORTICOSTEROIDS IN HUMAN PERIPHERAL PLASMA BY THE ISONICOTINIC ACID HYDRAZIDE (INH) REACTION 959
Theodore E. Weichselbaum and Harry W. Margraf, with the technical assistance of Daniel C. King
In vivo MEASUREMENT OF THYROIDAL RADIOIODINE: EFFECT OF "NECK SCATTER" 966
Alan L. Orvis, M. Pierre Koenig and Charles A. Owen, Jr.
METABOLIC EFFECTS OF 17-ETHYL-19-NORTESTOSTERONE IN MAN 975
Herta Spencer, Eva Berger, Martin L. Charles, Estelle D. Gottesman and Daniel Laszlo
TURNER'S SYNDROME AND LAURENCE-MOON-BIEDL SYNDROME IN SIBLINGS 985
E. Perry McCullagh and Alfred E. Leiser
KLINEFELTER'S SYNDROME: REPORT OF A CASE STUDIED BY FLUOROHYDROCORTISONE SUPPRESSION OF ADRENAL FUNCTION 989
Vaughn Sturtevant, Bernadine Z. Paulshock, Lewis B. Flinn and Edwin Richardson
TREATMENT OF EOSINOPHILIC GRANULOMA BY CORTICOTROPIN: REPORT OF 4 CASES WITH DISAPPEARANCE OF THE BONE LESIONS 994
A. Z. Flosi, L. M. Assis, W. Bloise, A. S. Coelho Netto, A. B. Ulhôa Cintra and R. P. de Barros
A CASE OF TRUE HERMAPHRODISM: POSSIBLE RELATIONSHIP TO KLINEFELTER'S SYNDROME (Letter to the Editor) 1002
George W. Clayton, Michael K. O'Heeron, J. D. Smith and Harry Grabstald
EFFECT OF ANXIETY UPON ALDOSTERONE EXCRETION IN MAN (Letter to the Editor) 1005
Eleanor H. Venning, Inge Dyrenfurth and John C. Beck
THYROIDAL UPTAKE OF I^{131} AFTER IOPANOIC ACID (TELEPAQUE) IN 74 SUBJECTS (Letter to the Editor) 1008
Richard E. Clark and Reginald A. Shipley
A NEW HYPOGLYCEMIC AGENT (Letter to the Editor) 1011
Julius Pomeranze
THE ENDOCRINE SOCIETY
The 1958 Annual Meeting and Awards 1013
The 1957 Postgraduate Assembly in Endocrinology and Metabolism 1015
Notice to Readers 1015
AMERICAN SOCIETY FOR STUDY OF STERILITY: Grants-in-Aid 1016
NEW YORK ACADEMY OF MEDICINE, Postgraduate Week 1016

No. 9, September 1957

Notice to Contributors ..... *attached to page* 1017
Endocrine Abnormalities Accompanying Hepatic Cirrhosis and Hepatoma 1017
Richard W. Barr and Sheldon C. Sommers
A Quantitative Study of the Effect of Thyrotropin upon the Thyroidal Secretion Rate in Euthyroid and Thyrotoxic Subjects 1030
Monte A. Greer and Herbert F. Shull
Differences in Metabolism of Prednisolone-C^{14} and Cortisol-C^{14} 1040
Avery A. Sandberg and W. Roy Slaunwhite, Jr.
Dehydroepiandrosterone and Andosterone Levels in Human Plasma. Effect of Age and Sex; Day-to-Day and Diurnal Variations 1051
Claude J. Migeon, Anne R. Keller, Betty Lawrence and Thomas H. Shepard, II
A Test for Qualitative and Quantitative Estimation of Pregnane-3α,17α, 20α-Triol-11-One in Urine, and its Significance in Adrenal Disturbances 1063
Michael Finkelstein and Sarah Goldberg
Pyrimidine Metabolism in Diabetes Mellitus Studied with the Uracil Tolerance Test 1071
Raymond Caren and Lucille Corbo
Inactivation of Antidiuretic Substance by Human Liver 1081
Hajime Imanaga, Tatsuhei Kondo and Isamu Mori
Effect of Re-Use of *Rana Pipiens* upon the Accuracy of the Pregnancy Test 1088
Russell Hilf and Irving Rosen
Observations on Hypoparathyroidism. I. Exfoliative Dermatitis as the Presenting Sign of Hypoparathyroidism: A Case Report 1094
Observations on Hypoparathyroidism. II. Inactivation of Parathyroid Hormone in a Case of Clinical Hypoparathyroidism 1099
A. Harell-Steinberg, L. Ziprkowski, S. Haim, J. Gafni and M. Levin
Calcium Metabolism, Bones and Calcium Homeostasis. A Review of Certain Current Concepts (Review) 1105
John Eager Howard
The Intravenous Use of Sodium Tolbutamide in Acute Studies (Letter to the Editor) 1124
Thomas F. Frawley
The Endocrine Society
The 1958 Annual Meeting and Awards 1128
The 1957 Postgraduate Assembly in Endocrinology and Metabolism 1130
Academy of Psychosomatic Medicine, 1957 Meeting 1130

No. 10, October 1957

Notice to Contributors ..... *attached to page* 1131
The Effects of Amphenone on Thyroid Function in Man 1131
Herbert A. Selenkow, Alfonso Rivera and George W. Thorn
Circulating Iodoproteins in a Nongoitrous Adult with Primary Amenorrhea, Bony Deformities, and Normal Levels of Serum Precipitable Iodine and Thyroidal I^{131} Uptake 1141
Sidney C. Werner, Richard J. Block and Richard H. Mandl, with the cooperation of Stephen Keller
Plasma Corticosterone and Hydrocortisone Levels in Man 1150
Ralph E. Peterson
Study of Potentially Active Adrenocortical Steroids in Peripheral Human Plasma after Various Stresses 1158
T. E. Weichselbaum, Robert Elman and H. W. Margraf
Urinary Metabolites of Cortisol in Adrenal Insufficiency and in Pituitary Eunuchoidism 1168
M. Mencer Martin, C. H. Gray, J. L. Livingstone and Barbara J. Lunnon
Urinary Ketosteroid Excretion Patterns in Congenital Adrenal Hyperplasia 1181
Minoru Masuda

METABOLISM OF FREE AND CONJUGATED 17-HYDROXYCORTICOSTEROIDS IN NORMAL SUBJECTS 1191
Harold Brown, Edwin Englert, Jr., Stanley Wallach and E. L. Simons
GRANULOMATOUS THYROIDITIS (DE QUERVAIN'S THYROIDITIS) 1202
Lewis B. Woolner, William M. McConahey and Oliver H. Beahrs
THE USE OF I^{133} IN THE TREATMENT OF GRAVES' DISEASE 1222
Mones Berman, David V. Becker and Richard S. Benua
THYROIDAL UPTAKE AND PLASMA CLEARANCE OF I^{131} AND I^{127} IN CIRRHOSIS OF THE LIVER 1229
Reginald A. Shipley and Ethel Buchwald Chudzik
17-α-HYDROXYPROGESTERONE ACETATE; AN EFFECTIVE PROGESTATIONAL SUBSTANCE ON ORAL ADMINISTRATION 1237
M. Edward Davis and George L. Wied
CONGENITAL ADRENOCORTICAL HYPERPLASIA ASSOCIATED WITH HYPERPLASIA OF ABERRANT (INTRATESTICULAR) ADRENAL TISSUE 1245
Prapont Piyaratn and Paul D. Rosahn
PROGESTATIONAL ACTIVITY OF CERTAIN 19-NOR STEROIDS. COMPARATIVE ASSAYS IN OOPHORECTOMIZED WOMEN (Letter to the Editor) 1252
Jacques Ferin
THE ENDOCRINE SOCIETY
The 1958 Annual Meeting and Awards 1256
The 1957 Postgraduate Assembly in Endocrinology and Metabolism 1258
A. EINSTEIN MEDICAL CENTER, Postgraduate Course in Clinical Endocrinology 1259
INTER-SOCIETY CYTOLOGY COUNCIL, Annual Meeting 1259
BOOK REGISTER 1260

NO. 11, NOVEMBER 1957

American Goiter Association Number

RADIATION PNEUMONITIS AND FIBROSIS: A COMPLICATION OF RADIOIODINE TREATMENT OF PULMONARY METASTASES FROM CANCER OF THE THYROID .. 1263
J. E. Rall, J. B. Alpers, C. G. Lewallen, M. Sonenberg, M. Berman and R. W. Rawson
CLINICAL PROGRESS IN THE TREATMENT OF EXOPHTHALMOS OF GRAVES' DISEASE, WITH PARTICULAR REFERENCE TO THE EFFECT OF PITUITARY SURGERY 1277
E. Perry McCullagh, Marvin Clamen and W. James Gardner
AUTO-IMMUNITY IN HASHIMOTO'S DISEASE AND ITS IMPLICATIONS 1293
Deborah Doniach and I. M. Roitt
FACTORS AFFECTING THE BINDING CAPACITY OF HUMAN ERYTHROCYTES FOR I^{131}-LABELED *l*-THYROXINE AND *l*-TRIIODOTHYRONINE 1305
K. R. Crispell, Joseph Coleman and Harry Hyer
A CHROMATOGRAPHIC STUDY OF THYROIDAL IODINE METABOLISM IN NONTOXIC NODULAR GOITER 1313
Rosalind Pitt-Rivers, Douglas Hubble and William H. Hoather
THE METABOLISM OF 3:3′-DIIODOTHYRONINE IN MAN 1324
John B. Stanbury and Mary L. Morris
EFFECT OF THYROTROPIN ON THE PATTERN OF THYROID HORMONES IN PLASMA .. 1332
Jerrold D. Hydovitz and Walter L. Arons
ADRENOCORTICAL FUNCTION IN MYXEDEMA 1347
Gerald A. Williams, K. R. Crispell and William Parson
PATHOLOGIC CHANGES IN ADULT MYXEDEMA: SURVEY OF 10 NECROPSIES 1354
Robert C. Douglass and Samuel D. Jacobson
STUDIES IN NONMYXEDEMATOUS HYPOMETABOLISM. II. TURNOVER OF I^{131}-LABELED THYROXINE AFTER INTRAVENOUS INFUSION 1365
George S. Kurland, Jesus G. Bustos, Milton W. Hamolsky and A. Stone Freedberg
CLINICAL SIGNIFICANCE OF SERUM BUTANOL-EXTRACTABLE IODINE (Editorial Review) 1373
Evelyn B. Man and Philip K. Bondy
CAN RADIATION CAUSE THYROID CANCER? (Editorial Review) 1383
B. J. Duffy, Jr.

THE ENDOCRINE SOCIETY
The 1958 Annual Meeting and Awards 1389
THE AMERICAN GOITER ASSOCIATION
The 1958 Annual Meeting and Award 1392
Recipients of the 1957 Awards 1393
Fourth International Conference on Goiter 1394

No. 12, DECEMBER 1957

CONTENTS OF VOLUME 17 iii
METABOLISM OF FREE AND CONJUGATED 17-HYDROXYCORTICOSTEROIDS IN SUBJECTS WITH LIVER DISEASE 1395
Edwin Englert, Jr., Harold Brown, Stanley Wallach and E. L. Simons
MAGNESIUM STUDIES IN RELATION TO HYPERPARATHYROIDISM 1407
Benjamin A. Barnes, Stephen M. Krane and Oliver Cope
MUCOPROTEINS IN THYROID AND PARATHYROID DISEASE: CLINICAL AND EXPERIMENTAL STUDIES 1422
David Bronsky, Alvin Dubin, Daniel S. Kushner and J. de la Huerga
THIRTY-ONE MEN WITH FEMALE SEX CHROMATIN 1429
Jan Raboch
ESTROGEN EXCRETION LEVELS IN THE NORMAL POSTMENOPAUSAL WOMAN 1440
John M. McBride
THE CHRONOLOGY OF EVENTS IN THE DEVELOPMENT OF SUBACUTE THYROIDITIS, STUDIED BY RADIOACTIVE IODINE 1448
P. Czerniak and A. Harell-Steinberg
THE ASSOCIATION OF PERIODIC PARALYSIS AND HYPERTHYROIDISM IN JAPAN 1454
Shigeo Okinaka, Kazuo Shizume, Shiro Iino, Akira Watanabe, Minoru Irie, Akito Noguchi, Shizuo Kuma, Kanji Kuma and Tadasu Ito
CORTICOSTEROID RESPONSE TO SURGERY: EFFECT OF TESTOSTERONE 1460
Kathleen M. Edwards, R. P. Jepson and M. W. Reece
EXOPHTHALMOS AND LOCALIZED PRETIBIAL MYXEDEMA IN A EUTHYROID PATIENT: STUDIES WITH TRIIODOTHYRONINE 1466
Monte A. Greer
ANALYSIS OF THE PHOSPHORUS REABSORPTION INDEX: THEORETICAL AND PRACTICAL IMPLICATIONS (Letter to the Editor) 1472
A. Gorman Hills and Janice M. Burr
A COMPACT APPARATUS FOR ASCENDING PAPER CHROMATOGRAPHY (Letter to the Editor) 1476
Walter R. Eberlein
LACK OF PLASMA CORTISOL AND URINARY ALDOSTERONE IN A PREGNANT WOMAN WITH ADDISON'S DISEASE (Letter to the Editor) 1478
Etienne-Emile Baulieu, Monique de Vigan, Henri Bricaire and Max-Fernand Jayle
EXCRETION OF PREGNANE-3α,17α,20α-TRIOL IN PREGNANCY (Letter to the Editor) 1482
Walter Hermann and Lilian Silverman
A CLINICAL SYNDROME ASSOCIATED WITH A DEFECT IN STEROID GLUCURONIDE FORMATION (Letter to the Editor) 1485
Ralph E. Peterson and Rudi Schmid
THE ISOLATION OF MYOGLOBIN IN PROGRESSIVE MUSCULAR DYSTROPHY (Letter to the Editor) 1489
Gerald T. Perkoff, Douglas M. Brown and Frank H. Tyler
THE ENDOCRINE SOCIETY
The 1958 Annual Meeting and Awards 1493
THE AMERICAN GOITER ASSOCIATION
The 1958 Annual Meeting and Award 1496
INTERNATIONAL FEDERATION OF GYNAECOLOGY & OBSTETRICS; Second World Congress 1497
CORRECTION 1497
BOOK REGISTER 1498
AUTHOR INDEX TO VOLUME 17 1500
SUBJECT INDEX TO VOLUME 17 1507